

**Customer No. 27061**  
Confirmation No. 5745

Patent  
Attorney Docket No. GEMS8081.023

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : Durbin et al.

Serial No. : 09/681,017

Filed : November 22, 2000

For : METHOD AND SYSTEM TO REMOTELY ENABLE  
SOFTWARE-BASED OPTIONS FOR A TRIAL PERIOD

Group Art No. : 3621

Examiner : Calvin Loyd Hewitt II

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**CERTIFICATION UNDER 37 CFR 1.8(a) and 1.10**

I hereby certify that, on the date shown below, this correspondence is being:

**Mailing**

- deposited with the US Postal Service in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

**37 CFR 1.8(a)**

**37 CFR 1.10**

- with sufficient postage as first class mail       As "Express Mail Post Office to Addressee" Mailing Label No.

**Transmission**

- transmitted by facsimile to Fax No.: 571-273-8300 addressed to Examiner Calvin Loyd Hewitt II at the Patent and Trademark Office.

- transmitted by EFS-WEB addressed to Examiner Calvin Loyd Hewitt II at the Patent and Trademark Office.

Date: May 12, 2008

/Gregory V. Madden/  
Signature

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**DECLARATION UNDER 37 C.F.R. §1.131**

I, being duly sworn, depose and say:

1. That I am one of the inventors for the above-identified Patent Application;
2. That I have reviewed the claims of this Application;
3. That I conceived the invention as set forth in the aforementioned claims in the United States prior to December 15, 1999, the effective date under 35 U.S.C. § 102(e) of the cited United States Patent No. 6,668,375;

4. That, prior to said date, I conceived of a method by which software-enabled options may remotely be enabled. In accordance with the method, a user ID is received at a centralized facility from a user. An option-enabling request is also received from the user, specifying an option requested to be enabled in equipment at a subscribing station. At the centralized facility, it is confirmed that the option has not already been enabled. An enabling feature is then sent from the centralized facility to the equipment in the subscribing station, whereupon the option is activated in the equipment;

5. That, prior to said date, I also conceived of an option-enabling system. The system includes a subscribing station, which has at least one in-field product and at least one computer programmed to control the in-field product, and an on-line center capable of receiving and authenticating a user I.D., validating an option request, and creating an option key in response thereto. The system also includes a communications network to relay data from the on-line center to the subscribing station. The communications network has communications portions in both the on-line center and in the subscribing station, and is able to connect the on-line center to the subscribing station through an external communications network. Thus, the communications network can transmit the option key from the on-line center to the subscribing station in response to a user I.D. receipt and authorization, and a valid option request receipt;

6. That, prior to said date, I also conceived of a computer program which, when executed from a storage medium by a computer, causes the computer to receive an option-enabling request from a user to request an option to be enabled in a medical device located remotely from an on-line center and receive a system I.D. and validate the system I.D. with data from a database at the on-line center. The program also causes the computer to compare the option-enabling request with any other option requests for that system I.D. in the database at the on-line center and reject the option-enabling request if the comparison results in a predefined number of matches. If not, the program causes the computer to generate an option key and forward the option key to one of the user and the medical device to enable the option;

7. That, prior to said date, I also conceived of a method for enabling an option in a device. The method includes receiving a user I.D. at a centralized facility, receiving an option-enabling request specifying an option requested to be enabled in the

device at a subscribing station, and confirming that the option has not already been enabled. If the option has not already been enabled, the method provides that an enabling feature is sent from the centralized facility to the device in the subscribing station, and the option is activated in the device;

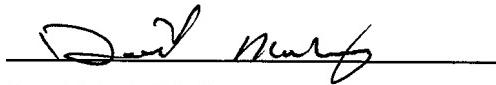
8. That a copy of an invention disclosure to my employer, prepared prior to December 15, 1999, evidencing conception of the invention is attached as Exhibit A;

9. That inventors Winnie C. Durbin, Kun Zhang, and Karamjeet Singh subsequently contributed to the invention by assisting in reduction to practice.

10. That from prior to December 15, 1999 to November 22, 2000, the filing date of the above-referenced Patent Application, we diligently worked to reduce the invention to practice and worked with patent counsel in the preparation of a patent application for the claimed invention, as evidenced in Exhibits B, C, and D. Exhibit B shows (at pg. 3) a timeline evidencing trialing and feasibility testing of the invention from the first quarter of 1999 (Jan. – March, 1999) until reduction to practice (Nov. 2000). Exhibit C shows a project timeline illustrating milestones and goals in implementing the invention for the entire fiscal year 2000. Exhibit D illustrates an internal technical review document, dated September 13, 2000, which summarizes the development of the invention prior to the filing of the patent application on November 22, 2000.

11. That the statements made herein are of my own knowledge and are true and made on information and belief that are believed to be true.

I acknowledge that any willful false statements and the like made herein are punishable by fine or imprisonment, or both, and may jeopardize the validity of the application or any patent issuing thereon.

  
\_\_\_\_\_  
David T. Mehring

Dated: 4-18-08

\_\_\_\_\_  
Thomas L. Lamoureux

Dated: \_\_\_\_\_

device at a subscribing station, and confirming that the option has not already been enabled. If the option has not already been enabled, the method provides that an enabling feature is sent from the centralized facility to the device in the subscribing station, and the option is activated in the device;

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Dated: \_\_\_\_\_

David T. Mehring



Thomas L. Lamoureux

Dated: 11/28/2005

Durbin et al.

S/N: 09/681,017

Hubert C. Zettel

Hubert A. Zettel

Dated: April 22, 2008

\_\_\_\_\_  
Timothy D. Butler

Dated: \_\_\_\_\_

Hubert A. Zettel



Timothy D. Butler

Dated: \_\_\_\_\_

Dated: 5/5/08

INVENTION DISCLOSURE

1. Disclosure ID (for completion by Legal Dept): \_\_\_\_\_

2. Title: Customer requested imaging product Software Options via InSite Interactive

3. Brief description:

This enabler allows the customers to select limited use, pay per use or unlimited use licenses for software options packages from a web based product (such as InSite Interactive). This system will validate which product the request is coming from to ensure compatibility and shall allow for automated billing and tracking for that deployment.

4. Creator(s): (Additional names may be included on an attached "Additional Creators Listing")

Total number of names listed: \_\_\_\_\_ 4

22 Full Name: David Mehring Signature David Mehring  
 Citizenship: USA Date: 10/6/99  
 Social Security Number:                   
 Company: GE Medical Technology Services  
 Company Phone:                   
 Home Phone:                   
 Business E-Mail:                   
 Supervisor: Rick Frowein  
 Company employee?  yes  no (if no, employed by: \_\_\_\_\_)  
 Home:                   

Sussex	Address	US	53089
City	WI	Country	Zip

64 Full Name: Thomas Leroy Lamoureux Signature Thomas Leroy Lamoureux  
 Citizenship: USA Date: 10/11/99  
 Social Security Number:                   
 Company: GE Medical Systems  
 Company Phone:                   
 Home Phone:                   
 Business E-Mail:                   
 Supervisor: Hugh Zettel  
 Company employee?  yes  no (if no, employed by: \_\_\_\_\_)  
 Home:                   

Waukesha	Address	USA	53186
City	WI	Country	Zip

5. Project:

5.1 The invention  is  not part of a  current or  future project/product.

5.2 Project/product name (by which you or your colleagues would recognize it):  
 \_\_\_\_\_

5.3 The invention  is  is not  part of or  funded by a government project.

6. Significant Dates (provide approximate dates - "at least as early as" if unsure):

6.1 When and in what form was the invention first disclosed inside the company?  
Feature on the Services and InSite Interactive roadmap

6.2. Has the invention been disclosed outside the company? If yes, to whom, when, and in what form?

No

6.3 Have any articles describing your invention been published? If yes, list author(s), title of article, publication and date.

No

6.4 Has any product using the invention been sold or offered for sale? If yes, to whom and on what date?

No

6.5 When will (or did) GE begin production of this invention?  
TBD

7. Description/Disclosure (attach additional pages, sketches, specifications, etc., if available)

7.1 What is the general technological problem the invention is contemplated to overcome?

Restrict access to product application software and or available options based on knowing the system type that is making the request. This system shall track availability and usage for trial, pay-per-use or permanent packages deployed and interface into a automated billing system.

7.2 Prior Art:

7.2.1. Identify related invention disclosures, patents or other publications describing similar ideas, and other companies working in the same field. Attach copies, if available.

None known of at this time

7.2.2. What is the closest technology, of which you are aware?

Currently software options are deployed to a customer site via InSite per a manual or phone request from a Sales rep. There are no ties to back-office systems for automatic tracking or billing.

7.3 Briefly describe the structure of the invention and how it works.

This invention will leverage existing web based connectivity (InSite Interactive) to the imaging product to allow the customer access to software options. The option available for that scanner type will be listed for purchase, pay-per-use, or limited use trial. From the selection, the package shall be deployed to the imaging product, then the billing systems and site configuration will be updated.

7.4 How is the invention different/better from prior solutions to this problem?

Currently there is no means for a customer to request a trial package without talking to a Sales Rep. There also is no means for a pay-per-use and automated billing from a customer request through the medical scanning device.

Witnesses: I have read and understood the information described above and in the attached 4 pages:

(1) Name: Deborah A. Babula Signature Deborah A. Babula  
Citizenship: USA

Social Security Number: [REDACTED] Date: Oct 13, 1999

Company: GEMS

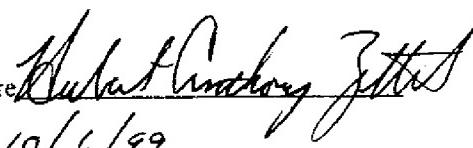
Company Phone: [REDACTED]

(2) Name: Lawrence Plotz Signature Lawrence Plotz  
Citizenship: USA

Social Security Number: [REDACTED] Date: October 15, 1999

Company: GEMS

Company Phone: [REDACTED]

**Additional Creators Listing (delete if not needed)**Full Name: Hubert Anthony ZettelSignature Citizenship: USADate: 10/6/99Social Security Number: ██████████Company: GE Medical SystemsCompany Phone: ██████████Home Phone: ██████████Business E-Mail: ██████████Supervisor: Bill HermanCompany employee?  yes  no (if no, employed by: \_\_\_\_\_)Home: ██████████

Address

Waukesha

Wi

City

State

US

Country

53189

Zip

Full Name: Timothy D ButlerSignature Citizenship: USADate: 10/12/99Social Security Number: ██████████Company: GE Medical SystemsCompany Phone: ██████████Home Phone: ██████████Business E-Mail: ██████████Supervisor: Bill HermanCompany employee?  yes  no (if no, employed by: \_\_\_\_\_)Home: ██████████

Address

Waukesha

Wi

City

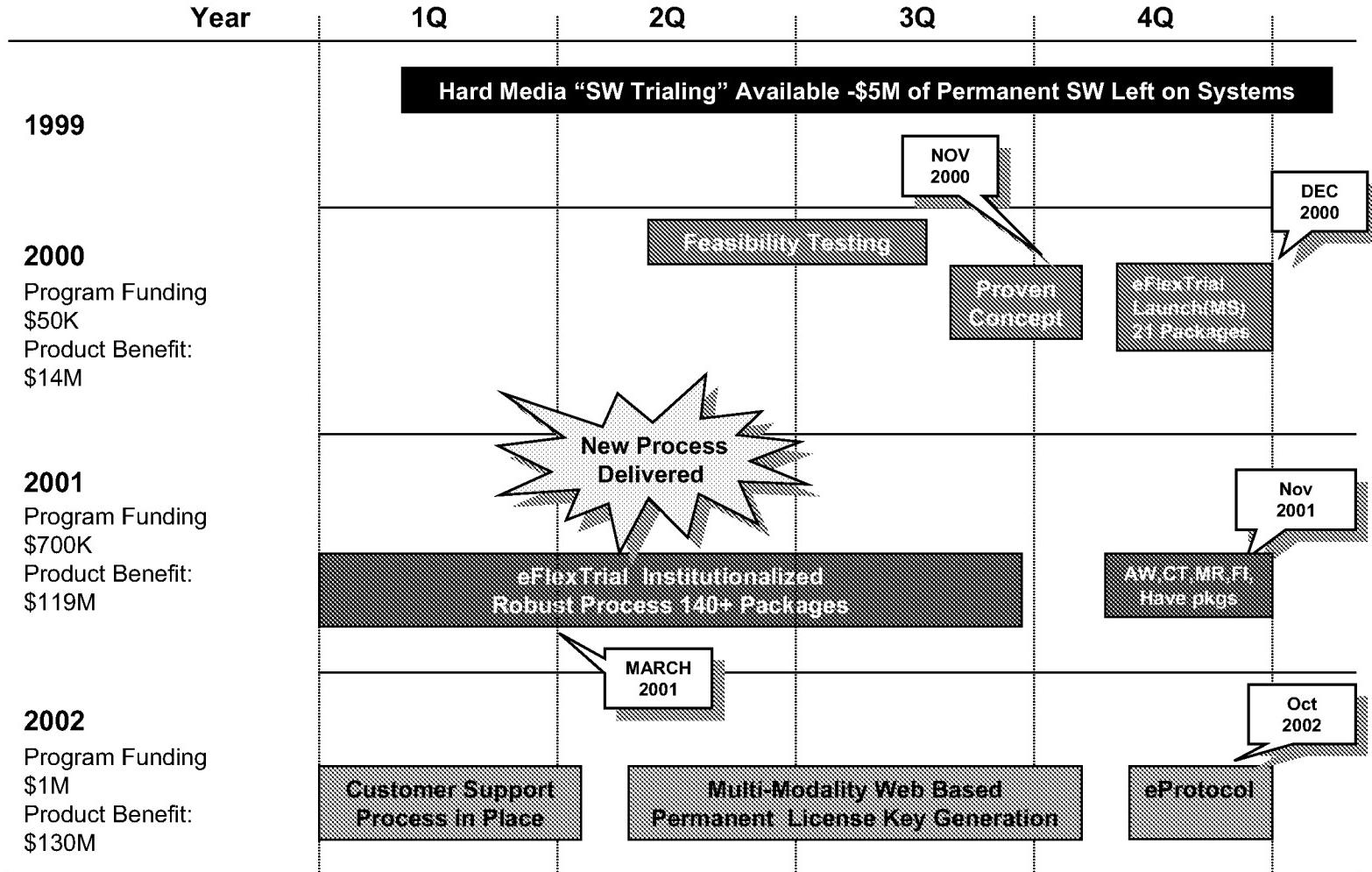
State

US

Country

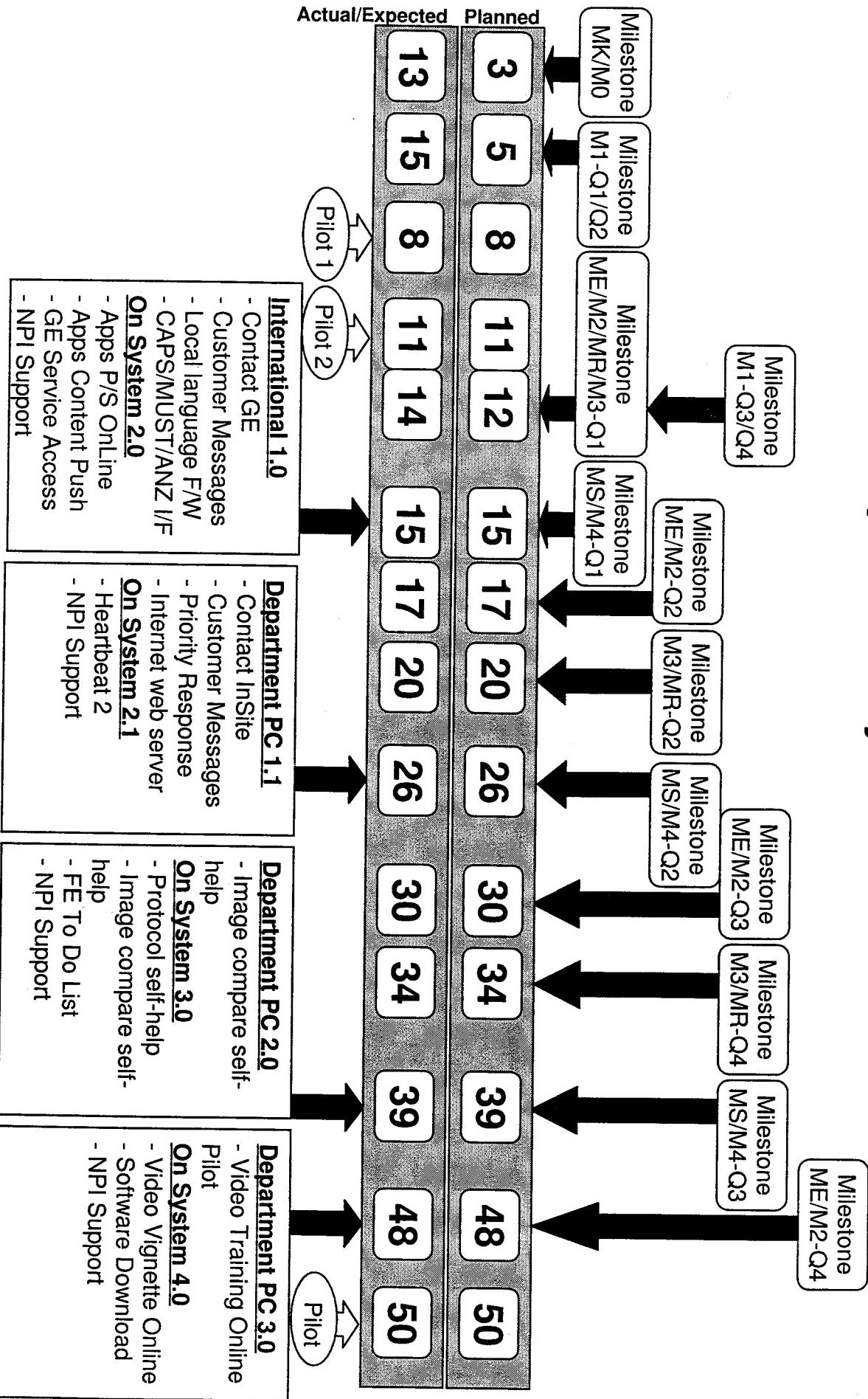
53189

Zip



**Modalities, GST, GTO, GE Community – Great Team Effort**

# iLinq 2000 Project Timeline



All milestones are global, unless otherwise stated.

Milestone dates indicate Core Team sign-off. Business sign-off to follow.

# LSD Technical Review - 09.13.2000

<b>FLEXTRIAL (Software Key Download)</b>	<b>Technical Design Summary:</b>
<p><b>Status:</b> Multi-Site Multi-Stage</p> <ol style="list-style-type: none"> <li>Code for MSMA key download complete and testing to be completed FW37.5.</li> <li>CT flextrial development in progress - CT has completed software key generation scripts for 10 of 14 applications.</li> <li>Implementation of CT flextrial backoffice servlet to re-use that from MSMA.</li> </ol> <p><b>Issues:</b></p> <ol style="list-style-type: none"> <li>Need to develop common API for development of key generation scripts.</li> <li>Telnet to the product and run the installation script and verify the script ran correctly.</li> <li>Send a Customer Message to the scanner notifying the installation of the new license key.</li> <li>Send an e-mail to the operations team and the customer notifying the installation of the new license key.</li> </ol>	<p>1. Customers are authenticated via SSO.</p> <p>2. Key download request is submitted to the MSMA Main servlet in the OLC backoffice.</p> <p>3. MSMA Main dials out to the scanner and gets the Host ID of the machine need to create key.</p> <p>4. License key is generated and stored in the backoffice.</p> <p>5. FTP the license key, installation script, and the updated Network Module (MR only) to the scanner.</p>